

Amendments to the Specification:

Please insert the following paragraph at the beginning of the specification:

Cross-Reference to Related Applications

This application is the U.S. national stage application of International Application PCT/US04/033217, filed October 6, 2004, which international application was published on April 21, 2005, as International Publication WO2005/035358 in the English language. The International Application claims the benefit of Application No. 60/510,423, filed October 9, 2003.

Please replace the paragraph at page 10, line 21 with the following amended paragraph:

Motor 50 may be any suitable motor, including an electric motor or an hydraulic motor.

Preferably, the motor is an electric motor, and in a preferred embodiment, it is a high-phase order mesh-connected motor of the kind described in U.S. Patent No. 6,657,334WO0235689.

Referring now to Figure 6a, which shows a simple graphical schematic of the permissible inverter to motor windings connections for a polyphase motor having 9 phases, 9 evenly spaced terminals 4 and a center terminal 6 are shown. Each of the terminals 4 represent one end of a motor winding 1 and the center terminal 6 represents the other end of the motor winding. An inverter 5 has 9 terminals 2, which are connected to one of the terminals 4 of each of the motor windings 1 via electrical connectors 3 as shown. In this embodiment, the number of phases, N is equal to 9, but it is to be understood that this limitation is made to better illustrate the invention; other values for N are also considered to be within the scope of the present invention.

Please replace the paragraph at page 12, line 13 with the following amended paragraph:

The $S=0$ connection is desirable for low speed operation, where it increases the overload capabilities of the drive, and permits much higher current to flow in the motor windings than flow out of the inverter terminals. The $S=3$ connection is desirable for high speed operation, and permits a much higher voltage to be placed across the windings than the inverter phase to neutral voltage. This change in connection is quite analogous to the change between star and delta connection for a three-phase machine, and may be accomplished with a mechanical switching

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arrangement, such as that disclosed in U.S. Patent No. 6,838,791~~my patent application~~
~~US2003/0075998~~.